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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/615,014	07/09/2003	Mutsumi Kimura	116029	8728
25944	7590	06/03/2005		EXAMINER
OLIFF & BERRIDGE, PLC				SEFER, AHMED N
P.O. BOX 19928				
ALEXANDRIA, VA 22320			ART UNIT	PAPER NUMBER
			2826	

DATE MAILED: 06/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/615,014	KIMURA, MUTSUMI
Examiner	Art Unit	
A. Sefer	2826	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 17 May 2005.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1,2,4 and 18-20 is/are pending in the application.
 4a) Of the above claim(s) 18-20 is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1,2 and 4 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
 Paper No(s)/Mail Date _____.

4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.
 5) Notice of Informal Patent Application (PTO-152)
 6) Other: _____.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 5/17/05 has been entered and new claims 18-20 which do not read on the elected second embodiment (figs. 4 and 5) have been withdrawn from consideration.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 2 and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsumoto et al. ("Matsumoto") US PG-Pub 2003/0189535 in view of Chen ("Chen") US PG-Pub 2004/0201017.

Matsumoto discloses in figs. 2 and 5-12 a driving thin-film transistor 20 controlling a light-emitting state of a light-emitting element 50, comprising: an active region; a source region 16s; and a drain region 16d, the source region and the drain region being provided at each side of the active region, respectively; an area of a cross section of the source region being approximately equal to an area of a cross section of the drain region, said cross sections taken

along a plane generally perpendicular to a mounting surface of driving thin-film transistor; the source region and the drain region including regions adjacent to the active region, the adjacent regions including lightly doped impurity regions 16LD with an impurity concentration less than an impurity concentration of the drain region, but lacks anticipation of the lightly doped impurity regions being provided in an asymmetrical form in which the lightly doped impurity region in the source region is smaller than the lightly doped impurity region in the drain region.

Chen discloses in figs. 6-9 a thin-film transistor including a source region 44; and a drain region 46, the source region and the drain region being provided at each side of the active region, respectively; an area of a cross section of the source region being approximately equal to an area of a cross section of the drain region; the source region and the drain region including regions adjacent to the active region, the adjacent regions including lightly doped impurity regions 40/42 with an impurity concentration less than an impurity concentration of the drain region; and the lightly doped impurity regions being provided in an asymmetrical form in which the lightly doped impurity region in the source region is smaller than the lightly doped impurity region in the drain region or the length, in the longitudinal direction of a channel, of the lightly doped impurity region in the drain region being longer than the lightly doped impurity region in the source region (as in claim 2).

Therefore, in view of Chen's teachings, one having an ordinary skill in the art at the time the invention was made would be motivated to modify Matsumoto's device by incorporating Chen's teachings since that would reduce leakage currents as taught by Chen.

Regarding claim 4, Matsumoto discloses a gate electrode 24 provided at a position facing the active region, with an insulating layer 4 provided therebetween, the boundary between each

lightly doped impurity region and the active region approximately matching one end of the gate electrode.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to A. Sefer whose telephone number is (571) 272-1921.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272-1915.

Information regarding the status of an application may be obtained from the Patent
Supervisory Patent Examiner
Technology Center 2880

Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ANS
May 29, 2005